

SYSTEM AND METHODOLOGY FOR OPTIMIZING DELIVERY OF E-MAIL
ATTACHMENTS FOR DISPARATE DEVICES

ABSTRACT OF THE DISCLOSURE

5 An e-mail system that re-packages message attachments optimized for
delivery to wireless handheld devices is described. The preferred embodiment provides an
optimization of the e-mail deliveries to allow for the recipients to receive e-mail attachments
at a time and in a size/format as desired. The preferred embodiment compares the size of
attached images to the capabilities of the type of the recipient client device, and preempts
10 delivery of the original format of those attachments if they are determined to be burdensome
or overwhelming. In cases wherein these attachments would strain the capabilities of the
recipient devices' wireless bandwidth and/or display features, the original attachments are
removed from the messages and do not accompany the e-mail delivery. Any detached
attachment is saved in a network media-sharing repository, and can be subsequently accessed
via a link (e.g., URL) referencing that storage address. Recipients can specify their wireless
handheld device types, and opt to receive transformations of this type of attachment as a
default substitute in subsequent e-mail deliveries. In cases wherein the recipient has
previously used multiple types of client devices when receiving messages from the system,
the present invention applies a transformation on the current attachment that corresponds to
the least capable in the set of those multiple devices. Recipients may also elect to receive the
20 URL for the network storage address of copies of either the original and/or transformed
attachments.

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